

# INDEX TO AGRICULTURAL ENGINEERING

Volume 21—January to December, 1941

Issue	Pages
JANUARY	1-40
FEBRUARY	41-80
MARCH	81-120
APRIL	121-160
MAY	161-200
JUNE	201-240
JULY	241-272
AUGUST	273-304
SEPTEMBER	305-336
OCTOBER	337-376
NOVEMBER	377-416
DECEMBER	417-452

This is a combined alphabetical index to the contents of AGRICULTURAL ENGINEERING by authors, regular features, professional interests, and subject matter, including plants and animals concerned, materials, machines, processes, structures, and key words in titles.

## A

### AGRICULTURAL ENGINEERING

(Agricultural Engineers)

(See also Agricultural Engineering Digest, National Defense, Necrology, News, Research)

Agricultural and chemical engineering relationships (Editorial)	164
An agricultural engineer looks at farm chemurgy	189
Can agricultural engineers solve tenant problems?	223
The agriculture in agricultural engineering	244
Problems in training agricultural engineers	245
Agricultural engineering in national defense	277
Another agricultural engineering milestone	441
Agricultural engineering digest (A review of current literature)	38, 78, 156, 196, 236, 270, 302, 334, 372, 412, 448
Agricultural engineering laboratory instruction, The "unit-operations" principle applied to	289
Alcohol in tractors and farm engines, Power	65
Allen, R. E. Application of the erosion equation to strip crop planning	59
Allis, J. A. Watershed and hydrologic studies on the central great plains	215
Arnold, Earl L. The test of terracing practices	261
AWARDS	
H. C. Merritt (1941 McCormick medalist)	30
R. W. Trullinger (1941 Deere medalist)	31

## B

Barger, E. L. Power alcohol in tractors and farm engines	65
Dynamometer for testing farm machinery	323
Barr, Harold T. Machinery for sugar cane production	322
Beasley, R. P. Utilization of farm residues	95
Bennett, Charles A. Compression of cotton at cotton gins	281
Bentley, M. R. Recommended conservation practices in Texas	284
Besley, H. E. Observations on the storage of grass silage	51
Machines designed for harvesting and storing grass silage	125
Blandy, D. E. New developments in small electric milk pasteurizers	253
Blausner, I. P. An economic analysis of large and small grinding units for dairy farms	226
Bluegrass seed, Machinery for harvesting	353
Boelter, L. M. K. The "unit-operations" principle applied to agricultural engineering laboratory instruction	289
Brackett, E. E. Problems in training agricultural engineers	244
Braley, Dr. S. A. The purchase of fencing on specification	49
Brandt, Dr. A. E. Presentation of results of critical experiments	293
The design of plot experiments for measurement of run-off and erosion	429
Brooder, Heating studies of an outdoor	391
Brooding in winter, Engineering aspects of electric	345
Buie, Eugene C. Terrace system planning to reduce point rows	321
Buildings, Farm (See Structures)	
Burch, James R. The electric fence	399
Burkhardt, George J. A small electric milk pasteurizer	107
Burr, B. G. Some engineering implications of high-speed farming	167

## C

Callenbach, E. W. Engineering aspects of electric brooding in winter	345
Carnes, Arty A study of old farmer-built terraces	361
Carr, J. M. Housing requirements for curing tobacco	133
Carter, Deane G. Farm building service for the southwest	266
How to obtain adequate farm housing with limited income	309
Case studies in low-cost housing	427
Carver, J. S. Electric light for egg production	357
Channel lining, Hydraulic tests of kudzu as a conservation	27
Chemical engineering relationships, Agricultural and (Editorial)	164
Chemurgy, An agricultural engineer looks at farm	189
Christiansen, J. E. The uniformity of application of water by sprinkler systems	89
Clausen, L. R. Practical aspects of farm crop residues	132
Clayton, B. S. Controlled drainage in the northern everglades of Florida	287
Collins, Edgar V. Equipment for cultivating corn	5
Results of row spacing experiments with corn	177
Committee functions, Technical (Editorial)	84
Concrete coatings, Acid-resistant	209
Conery, W. J. The installation and operation of jet pumps	9
CONSERVATION, Soil and Water (See also Drainage, Erosion Control, Flood Control, Hydrology, Irrigation, Soils, Terracing, Tillage)	
Water conservation on the great plains	45
Crops and dams protect a watershed	62
Interpretation of soil conservation data for field use	173
A flood control and water conservation project	262

A private land rehabilitation and soil conservation program .....	327
Some important farm machinery and soil conservation relationships .....	341
Conservation in a county's "come-back" .....	355
Publications on gully erosion control .....	364
<i>Corbett, Dr. R. B.</i>	
Economic possibilities of farm mechanization .....	437
<b>CORN</b>	
Equipment for cultivating corn .....	5
Seed corn grading in relation to planting .....	18
Equipment, methods, and costs of collecting corn stalks .....	68
Results of row spacing experiments with corn .....	177
Shrinkage of artificially dried seed corn .....	256
Corn stalks, Equipment, methods, and costs of collecting .....	68
Cotton gins, Compression of cotton at .....	281
<i>Crow, Ray</i>	
Metal sheets for roofing, siding, and ceilings .....	15
<i>Cruz, S. R.</i>	
Electrolytic heater for incubators .....	211
Cultivating corn, Equipment for .....	5

## D

<i>Dalziel, Charles F.</i>	
The electric fence .....	399
Dams protect a watershed, Crops and .....	62
<i>Davidson, J. Brownlee</i>	
Equipment, methods, and costs of collecting corn stalks .....	68
<i>Davis, Harry G.</i>	
Farm mechanization in southern agriculture .....	227
Deere medal award, 1941 (R. W. Trullinger) .....	31
<b>DEHYDRATION, Natural and Artificial</b>	
Studies of barn-dried hay .....	170
Results of barn hay drying studies .....	219
Dehydration of sweet potatoes for livestock feed .....	296
Drying artificially heated wheat with unheated air .....	316
Seed drier uses infrared electric lamps .....	421
<i>DeWeese, B. G.</i>	
A private land rehabilitation and soil conservation program .....	327
<i>Ditchman, J. P.</i>	
Radiation in agriculture .....	389
<i>Doane, D. Howard</i>	
Farm buildings—tombstones or tools .....	313

<b>DRAINAGE, Land (See also Hydrology)</b>	
Maintenance of open drainage ditches .....	7
Controlled drainage .....	139
Controlled drainage in the northern everglades of Florida .....	287
Driers and Drying (See Dehydration)	
<i>Duffee, F. W.</i>	
New developments in forage harvesting machines .....	11
<i>Dunkelberg, G. H.</i>	
The influence of electric heating systems on sweet-potato storage house construction .....	221
Dynamometer, A simple .....	32
Dynamometer for testing farm machinery .....	323

## E

Earth moving as applied to pond building, Farm .....	19
Earthquake damage results, Some .....	149
Editorials (See subject matter concerned)	
Egg production, Electric light for .....	357
<b>ELECTRIFICATION, Rural (See also Fence, Irrigation, Machinery, Pest Control)</b>	
Effect of short-wave irradiation on farm animals .....	47
New ideas in rural electrification engineering .....	97
A small electric milk pasteurizer .....	107
Step-up in rural electrification technology needed .....	135
What farm electrification needs .....	179
Electrolytic heater for incubators .....	211
The influence of electric heating systems on sweet-potato storage house construction .....	221
New developments in small electric milk pasteurizers .....	253
Irrigation pumping with electric power .....	257
One-can electric milk coolers .....	259
Engineering aspects of electric brooding in winter .....	345
Electric light for egg production .....	357
Heating studies of an outdoor brooder .....	391
Seed drier uses infrared electric lamps .....	421
<i>Elliott, F. R.</i>	
The installation and operation of jet pumps .....	9
<i>Ellison, W. D.</i>	
Research procedures .....	249
<i>Emmel, Dr. M. W.</i>	
A poultry ventilation problem .....	435
<i>England, C. W.</i>	
A small electric milk pasteurizer .....	107

<b>EROSION CONTROL, Soil (See also Soils, Terracing)</b>	
Application of the erosion equation to strip crop planning .....	59
Conservation practices in Oklahoma .....	280
Effect of crops and slopes on rates of run-off and total soil loss .....	396
The design of plot experiments for measurement of run-off and erosion .....	429
Experiments, Presentation of results of critical .....	293

## F

<i>Farrington, F. N.</i>	
Conservation in a county's "come-back" .....	355
Feed grinders, Automatic feed control for small .....	69
Fence, The electric .....	399
Fencing on specification, The purchase of .....	49
<i>Fenton, F. C.</i>	
Water conservation on the great plains .....	45
Harvesting grain sorghums .....	137
Storage of grain sorghums .....	185
Fertilizer in liquid form, Applying .....	440
Fire prevention and protection, Activities in .....	230
Fires, Use of CO <sub>2</sub> in the control of hay mow .....	176
Flaxseed production problems in the southwest .....	265
<i>Fletcher, Leonard J.</i>	
Machines and jobs .....	85
An agricultural engineer looks at farm chemurgy .....	189
<b>FLOOD CONTROL</b>	
A flood control and water conservation project .....	262
Big waters on little streams .....	424
Forage harvesting machines, New developments in .....	11
Frost protection, Blowers for .....	252
<i>Fry, Albert S.</i>	
Big waters on little streams .....	424
Fuels and lubricants, New developments in .....	393

## G

<i>Garlough, F. E.</i>	
Engineering aspects of rodent control .....	285
<i>Gerdel, R. W.</i>	
Application of the erosion equation to strip crop planning .....	59
<i>Giese, Henry</i>	
Activities in fire prevention and protection .....	230

<i>Glaze, Roland A.</i>	
A sectional wood grain bin .....	93
<i>Goodwin, Kenneth R.</i>	
Hydraulic head measurements in soils with high water tables .....	263
<i>Gordon, E. D.</i>	
Physical reactions of soil on plow disks .....	205
Grading in relation to planting, Seed corn .....	18
Grain bin, A sectional wood .....	93
Grass Silage (See Silage)	
<i>Gray, R. B.</i>	
Equipment, methods, and costs of collecting farm crop residues .....	57
Some important farm machinery and soil conservation relationships .....	341
<i>Greiner, John B.</i>	
Heating studies of an outdoor brooder .....	391
Grinding units for dairy farms, An economic analysis of large and small .....	226
Gully erosion control, Publications on	364
<i>Gunness, C. I.</i>	
Blowers for frost protection .....	252

## H

<i>Harker, David H.</i>	
Controlled drainage .....	139
<i>Harper, W. A.</i>	
Farm earth moving as applied to pond building .....	19
Harvesting grain sorghums .....	137
Harvesting machines, New develop- ments in forage .....	11
Hay curing work, A summary of .....	292
Hay drying studies, Results of barn .....	219
Hay mow fires, Use of CO <sub>2</sub> in the con- trol of .....	176
Hay, Studies of barn-dried .....	170
<i>Hayman, Roy E.</i>	
Can agricultural engineers solve tenant problem? .....	223
<i>Heitsbu, D. C.</i>	
Some engineering implications of high-speed farming .....	168
<i>Hienton, Truman E.</i>	
Effect of short-wave irradiation on farm animals .....	47
High-speed farming, Some engineering implications of .....	165
<i>Hinkle, C. N.</i>	
New developments in tractor fuels and lubricants .....	393

<b>HOMES (Houses) (See also Electri- fication)</b>	
How to obtain adequate farm hous- ing with limited income .....	309
Architected homes for American farms .....	344
Case studies in low-cost housing .....	427
<i>Hudson, A. Clarke</i>	
Architected homes for American farms .....	344
<i>Hudson, William E.</i>	
Studies of barn-dried hay .....	170
<i>Hukill, W. V.</i>	
Needed research on southern farm buildings .....	127
<i>Humphries, W. R.</i>	
Machines designed for harvesting and storing grass silage .....	125
<i>Hurd, C. J.</i>	
Automatic feed control for small feed grinders .....	69
<i>Huskison, C. C.</i>	
Some earthquake damage results .....	149
<b>HYDROLOGY (Hydraulics)</b>	
Hydraulic tests of kudzu as a con- servation channel lining .....	27
Watershed and hydrologic studies on the central great plains .....	215
Equipment for run-off measure- ments .....	218
Hydraulic head measurements in soils with high water tables .....	263
Hydraulics of water in unsaturated soil .....	325
Hydrologic evaluation of watershed improvement programs .....	350

## I

<b>Implements, Farm (See Machinery)</b>	
Incubators, Electrolytic heater for .....	211
Irradiation on farm animals, Effect of short-wave .....	47

## IRRIGATION

The uniformity of application of water by sprinkler systems .....	89
Aids to judgment in irrigation .....	129
Irrigation pumping with electric power .....	257
Insecticide dispersing machine, An .....	171

## J

<b>Jobs, Machines and</b> .....	85
<i>Jones, L. A.</i>	
Controlled drainage in the northern everglades of Florida .....	287
<i>Jones, Walter B.</i>	
Food and fractions (Editorial) .....	4
Another agricultural engineering milestone .....	441

<i>Kable, Geo. W.</i>	
Some development trends in the farm freezing and storing of food .....	143
A message from the President .....	276
<i>Keeney, L. G.</i>	
Use of CO <sub>2</sub> in the control of hay mow fires .....	176
<i>Kelley, J. B.</i>	
Machinery for harvesting bluegrass seed .....	353
<i>Kelly, C. F.</i>	
Drying artificially heated wheat with unheated air .....	316
<i>Kelly, L. L.</i>	
Watershed and hydrologic studies on the Central Great Plains .....	215
<i>Kennedy, A. L.</i>	
Equipment for run-off measurements	218
<i>Kennerly, Arthur B.</i>	
Dehydration of sweet potatoes for livestock feed .....	296
<i>Kinnear, E. R.</i>	
Hydrologic evaluation of watershed improvement programs .....	350
<i>Kirkpatrick, M. Glen</i>	
How much rent can a cow pay? .....	433
<i>Krekow, E. A.</i>	
Maintenance of open drainage ditches .....	7

## L

<b>Land-use planning, Farm buildings in</b> .....	25
<i>Lillard, James H.</i>	
Effect of crops and slopes on rates of run-off and total soil loss .....	396
<b>Lubricants, New developments in fuels and</b> .....	393
<i>Lyle, S. P.</i>	
Step-up in rural electrification tech- nology needed .....	135
Agricultural engineering in national defense .....	277

## M

<b>MACHINERY, Farm (See also Dehy- dration, Pest Control, Soils, Ter- racing, Tillage, Tractors)</b>	
Food and fractions (Editorial) .....	4
Machines designed for harvesting and storing grass silage .....	124
Equipment for terrace construction	147
Some engineering implications of high-speed farming .....	165
How farm machinery has benefited southern agriculture .....	247
Machinery for sugar cane production	322
Some important farm machinery and soil conservation relationships .....	341
What is new in farm machinery .....	381
Economic possibilities of farm mechanization .....	437

Machines and jobs .....	85
<i>Marr, James C.</i>	
More rational "normal" proposed ..	315
<i>Matson, Howard</i>	
A homemade planimeter .....	94
<i>McAlister, J. T.</i>	
Equipment for terrace construction ..	147
<i>McCalmont, J. R.</i>	
Observations on the storage of grass silage .....	51
<i>McCauley, W. E.</i>	
An insecticide dispersing machine ..	171
<i>McCormick, Elmer</i>	
Some engineering implications of high-speed farming .....	166
McCormick medal award, 1941 (H. C. Merritt) .....	30
<i>McFadden, E. S.</i>	
Flaxseed production problems in the southwest .....	265
<i>McPheters, W. H.</i>	
Conservation practices in Oklahoma ..	280
Mechanization, Economic possibilities of farm .....	437
Mechanization in southern agriculture, Farm .....	227
Medals (See Awards)	
<i>Merrill, R. M.</i>	
How farm machinery has benefited southern agriculture .....	247
<i>Merritt, H. C.</i>	
(1941 McCormick medalist) .....	30
Metal sheets for roofing, siding, and ceilings .....	15
Milk coolers, One-can electric .....	259
Milk pasteurizer, A small electric .....	107
Milk pasteurizers, New developments in small electric .....	253
<i>Molenaar, Aldert</i>	
Irrigation pumping with electric power .....	257
<i>Moore, R. E.</i>	
Hydraulic head measurements in soils with high water tables .....	263
<i>Moses, B. D.</i>	
What farm electrification needs .....	179
<i>Murphy, R. R.</i>	
Engineering aspects of electric brooding in winter .....	345
<i>Musser, H. B.</i>	
Seed drier uses infrared electric lamps .....	421

## N

### NATIONAL DEFENSE

Food and fractions (Editorial) .....	4
National defense: an ag engineering phase .....	50
Engineering implications of war (Editorial) .....	204
Agricultural engineering in national defense .....	277

### NECROLOGY

Harry Garfield Davis .....	112
LeBaron Turner .....	112
William Arthur Foster .....	193
Oliver Brunner Zimmerman .....	232
Egbert Forbes Redding .....	368

### NEWS (Pages 33, 72, 110, 152, 191, 231, 267, 297, 330, 368, 407, 444)

#### *Nicholas, John E.*

One-can electric milk coolers .....	259
Engineering aspects of electric brooding in winter .....	345
Seed drier uses infrared electric lamps .....	421

#### *Nichols, M. L.*

Some important farm machinery and soil conservation relationships .....	341
---	-----

#### *Nixon, Maurice W.*

New developments in small electric milk pasteurizers .....	253
--	-----

"Normal" proposed, More rational ..	315
-------------------------------------	-----

## O

Overfall structures, Gravel-rock .....	384
--	-----

## P

### Pasteurizers (See Milk)

### PEST CONTROL

An insecticide dispersing machine .....	171
Electric light in insect and bacteria control .....	439

Planimeter, A homemade .....	94
------------------------------	----

Plot experiments for measurement of run-off and erosion, The design of .....	429
--	-----

Plow bottoms, Effect of shape on the draft of 14-in moldboard .....	101
---	-----

Plow disks, Physical reactions of soil on .....	205
---	-----

Pond building, Farm earth moving as applied to .....	19
--	----

Potatoes for livestock feed, Dehydration of sweet .....	296
---	-----

Potato production, Machinery for sweet ..	386
---	-----

Poultry ventilation problem, A .....	435
--------------------------------------	-----

#### *Powell, Thurman P.*

Gravel-rock overfall structures .....	384
---------------------------------------	-----

#### *Powers, W. L.*

A flood control and water conservation project .....	262
--	-----

Presentation of results of critical experiments .....	293
---	-----

#### *Promersberger, W. J.*

Dynamometer for testing farm machinery .....	323
--	-----

Pumps, The installation and operation of jet .....	9
--	---

## R

Radiation in agriculture .....	389
--------------------------------	-----

#### *Randolph, John W.*

Machinery for sweet potato production .....	386
---	-----

#### *Ree, W. O.*

Hydraulic tests of kudzu as a conservation channel lining .....	27
---	----

#### *Reed, I. F.*

Tests of tillage tools—III. Effect of shape on the draft of 14-inch moldboard plow bottoms .....	101
--	-----

### REFRIGERATION

The design of farm freezing units .....	105
---	-----

Some development trends in the farm freezing and storing of food .....	143
--	-----

### RESEARCH

(For procedures and results of specific researches see subject matter headings concerned)

Research is reflective thinking (Editorial) .....	4
---	---

Farm practice research (Editorial) .....	44
--	----

Research procedures .....	249
---------------------------	-----

### RESIDUES, Farm Crop

Equipment, methods, and costs of collecting farm crop residues .....	57
--	----

Equipment, methods, and costs of collecting corn stalks .....	68
---	----

Utilization of farm residues .....	95
------------------------------------	----

Practical aspects of farm crop residues .....	132
---	-----

#### *Richards, L. A.*

Hydraulics of water in unsaturated soil .....	325
---	-----

#### *Roberts, June*

A head thresher for plant breeding studies .....	14
--	----

Electric light for egg production .....	357
---	-----

Rodent control, Engineering aspects of ..	285
---	-----

#### *Rodgers, P. D.*

Results of barn hay drying studies ..	219
---------------------------------------	-----

#### *Rowlands, W. A.*

Farm buildings in land-use planning .....	25
---	----

Row spacing experiments with corn, Results of .....	177
---	-----

### Run-off (See Hydrology)

Rural Electrification (See Electrification, Rural)	
--	--



## S

<i>Samuels, M. M.</i>	
New ideas in rural electrification engineering .....	97
Saw, A simple power wood .....	310
<i>Schaller, John A.</i>	
A summary of barn hay curing work .....	292
<i>Scranton, C. J.</i>	
Some engineering implications of high-speed farming .....	165
<i>Sharp, M. A.</i>	
A simple dynamometer .....	32
National defense: an ag engineering phase .....	50
A simple power wood saw .....	310
<i>Shedd, C. K.</i>	
Equipment for cultivating corn .....	5
Results of row spacing experiments with corn .....	177
<i>Shier, G. R.</i>	
Relation of agronomic and nutritional factors to engineering problems and farm practices in making grass silage (Discussion) .....	56
Silage, Relation of agronomic and nutritional factors to engineering problems and farm practices in making grass .....	56
Silage, Machines designed for harvesting and storing grass .....	124
<i>Silver, Edw. A.</i>	
Research is reflective thinking (Editorial) .....	4
What is new in farm machinery .....	381
<i>Simons, Joseph W.</i>	
New approaches to farmhouse design, construction, and equipment .....	181
<i>Sjogren, John W.</i>	
Results of barn hay drying studies .....	219
<i>Slipher, John A.</i>	
Balancing farm structures with farm capabilities .....	311
<i>Smith, Dwight D.</i>	
Interpretation of soil conservation for field use .....	173
SOILS (See also Erosion Control)	
Physical reactions of soil on plow disks .....	205
Conservation practices in Oklahoma .....	280
Sorghums, Harvesting grain .....	137
Sorghums, Storage of grain .....	185
<i>Spraul, J. R.</i>	
Acid-resistant concrete coatings .....	209

Sprinkler systems, The uniformity of application of water by .....	89
<i>Staebner, F. E.</i>	
Aids to judgment in irrigation .....	129
STEEL	
Metal sheets for roofing, siding, and ceilings .....	15
<i>Stevens, R. L.</i>	
Hydrologic evaluation of watershed improvement programs .....	350
STRUCTURES, Farm (See also Electrification, Fencing, Homes, Refrigeration)	
Metal sheets for roofing, siding, and ceilings .....	15
Farm buildings in land-use planning .....	25
Billion-dollar cushion (Editorial) .....	44
Needed research on southern farm buildings .....	127
New approaches to farmhouse design, construction, and equipment .....	181
Farmers as building craftsmen (Editorial) .....	204
Farm building service for the southwest .....	266
Balancing farm structures with farm capabilities .....	311
Farm buildings—tombstones or tools .....	313
More basic research in farm buildings needed (Editorial) D. H. Malcom .....	340
Basic farm building research (Editorial) S. A. Witzel .....	380
How much rent can a cow pay? .....	433
Sugar cane production, Machinery for .....	322
Sweet potato production, Machinery for .....	386
Sweet-potato storage house construction, The influence of electric heating systems on .....	221

## T

Tenant problem? Can ag engineers solve .....	223
TERRACING (See also Erosion Control)	
Equipment for terrace construction .....	147
The test of terracing practices .....	261
Recommended conservation practices in Texas .....	284
Terrace system planning to reduce point rows .....	321
A study of old farmer-built terraces .....	361
Thresher for plant breeding studies, A head .....	14

<i>Tiedjens, Dr. Victor A.</i>	
Applying fertilizer in liquid form .....	440
Tillage tools—III. Effect of shape on the draft of 14-inch moldboard plow bottoms, Tests of .....	101
Tobacco, Housing requirements for curing .....	133
TRACTORS, Agricultural	
Power alcohol in tractors and farm engines .....	65
New developments in tractor fuels and lubricants .....	393
Training agricultural engineers, Problems in .....	245
<i>Trullinger, R. W.</i>	
(1941 Deere medalist) .....	31
(Award of doctor of engineering degree) .....	441

## V

<i>Veach, C. W.</i>	
An insecticide dispersing machine .....	171
Ventilation problem, A poultry .....	435

## W

<i>Walker, H. B.</i>	
The "unit-operations" principle applied to agricultural engineering laboratory instruction .....	289
Waters on little streams, Big .....	424
Watershed and hydrologic studies on the Central Great Plains .....	215
<i>Weld, W. A.</i>	
A study of old farmer-built terraces .....	361
<i>Wileman, R. H.</i>	
Shrinkage of artificially dried seed corn .....	256
<i>Witz, Richard L.</i>	
The design of farm freezing units .....	105
<i>Witzel, S. A.</i>	
Basic farm building research (Editorial) .....	380
<i>Wolfe, Emerson</i>	
Crops and dams protect a watershed .....	62
<i>Woodward, T. E.</i>	
Relation of agronomic and nutritional factors to engineering problems and farm practices in making grass silage .....	54
<i>Wright, A. H.</i>	
Seed corn grading in relation to planting .....	18